DESLARATION FOR PATENT APPLICATION

as a helow named inventor, I hereby declare that:

Docket Number: 6099/008

My residence, post office address and citizenship are as stated below that to the manner. I believe I am the original, what and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are insign below) or the subject matter which is claimed and for which a patent is sought on the invention entitled "BROADCAST DATA DISTRIBUTION SYSTEM WITH ASYMMETRIC LIPLINK/DOWNLINK BANDWIDTHS" the specification of which is attached hereto unless the following is checked:				
was filed on and was a	es United emended on	States Application Numb		Al Application Number
I hereby state that I have claims, as amended by a I acknowledge the duty the Federal Regulations, § 1. I hereby claim foreign pripatent or inventor's certificate having the claim foreign of the control of the control of the claim foreign pripatent or inventor's certificate having the claim of the claim foreign price	ny amendment refe o disclose informat 56. iority benefits unde ficate listed below a	erred to above.  ion which is material to perfect the states of the stat	catentability as defined Code, §119 of any fore below any foreign app	d in Title 37. Code of eign application(s) for olication for patent or
Prior Foreign Application	(8)			Priority Claimed Yes No
(Number)	(Country)	(Day/Month/Y	ear Filed)	<del></del>
(Number)	(Country)	(Day/Month/Y	'ear Filed)	Yes No
I hank, that the track that The Off United Order Order, \$100 of the United States and inspire as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, \$112. I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, \$1.56 which became available between the filling date of the prior application and the national or PCT international filling date of this application.				
08/346,425 (Application-Number	1	November 28, 1994 (Filing Date)	Status patented	ponding, abandoned)
08/550,886		October 31, 1995	pending	pording, availability
(Application Number	)	(Filing Date)	(Status - patented,	pending, abandoned)
I hereby appoint the following attomay(t) and/or agent(t) to protecute thit application and to transact all buriness in the U.S. Patent and Trademark Office connected therewith: Donald M. Duft 17,484; James M. Graziano 28,300; Carl A. Poresi 28,484, Mark A. Guetikhi 36,800; Dan Cleveland, Jr. 36,100; Martin L. Shrively 35,555; and Steven W. Weinrieb 28,520. Address all telephone calls to James M. Graziano at Telephone No. (303) 449-9497 and address all correspondence to James M. Graziano, DUFT, GRAZIANO & FOREST, P.C., 1790 - 30th Street, Sulte 140, Boulder, Colorado 80301-1018.  I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that				
willful false statements and the like so made are punishable by fine or imprisonment or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.				
Full name of first joint inventor (given name, family name) Frederick S. M. Herz				
Inventor's signature Date 6/15/98  Residence Dayis, West Virginia Citizenship U.S/A.  Post Office Address Residence Residence Dayis, West Virginia 2026				
Full name of second joint inventor (given name, family name) <u>Jonathan Smith</u>				
Inventor's signature			Date	
Residence Princeton N Post Office Address		Giffr on Road, Princeton, New	enship 115A	

## **DECLARATION FOR PATENT APPLICATION**

. As a below named inventor, I hereby declare that:

Docket Number 8099/008

My residence, post office a first and sole inventor (if or listed below) of the subject "BROADCAST DATA DISTANCE THE specification of which	nly one name is list t matter which is die STRIBUTION SYST is attached hereto i	ted below) or an original, the analysis of the and for which a parties and for which a parties of the wind is characteristic of the analysis o	nist and joint invention tent is sought on the i IC UPLINK/DOWNILIT secked:	r (ir puits) names sie invention entitled NK BANDWIDTHS
	mended on	States Application Numbe (if applicable)	).	
I hereby state that I have re cialms, as amended by an I acknowledge the duty to Federal Regulations, § 1.5 I hereby claim foreign pric patent or inventor's certifi- inventor's certificate havin	ly emendment refer disclose informations. 58. prity benefits under	on which is material to particle 35, United States C	atentability as defined code, §119 of any fort selow any foreion app	d in Trite 37, Code of eign application(s) for plication for patent or laimed.
Prior Foreign Application	s)			Priority Claimed Yes No
(Number)	(Country)	(Day/Month/Y		Yes No
(Number)	(Country)	(Day/Month/Y		
I hereby claim the benefit and, insofar as the subject application in the manner duty to disclose informations of this explication of this explication.	it matter of each of the first provided by the first ion which is material ilable between the f	the claims of this applicate st paragraph of Title 35, U	Inited States Code, §1 ed in Title 37, Code o leation and the nation	112, I acknowledge the of Federal Regulations, all or PCT international
08/346,425 (Application Number	<u> </u>	(Filing Date)	(Status - patented	, pending, abandoned)
08/550,888 (Application Number		October 31, 1995 (Filing Date)	pending (Status - patented	, pending, abandoned)
t hereby appoint the followin the U.S. Patent and Traccard A. Forest 28,494; M. Weinrieb 26,520. Acaderess all corresponder 140, Boulder, Colorado de Information and belief and willful false statements of Title 18 of the United application or any patents.	wing attorney(s) and ademark Office con lark A. Guetilch 38,8 ddress all telephonace to <u>James M. Grasson</u> 80301-1018.  statements made he believed to be true and the like so made at issued thereon.	soo; Dan Cleveland, Jr. 3 pe calls to James M. Graziano. DUFT, GRAZIANG therein of my own knowled as and further that these states are punishable by fine that such willful false states.	5,105; Martin L. Shive viano at Telephone No & FOREST, P.C., 1 tge are true and that a matements were made or imprisonment or booksaments may jeopan	ely 33,653; and Steven lo. (303) 449-9497 and 790 - 30th Street, Suite all statements made on with the knowledge that
Full name of first joint is	nventor (given nam	e, family name) Freder		
	Box 825 Canaan Ya	allev. Davis, West Virgini		
Inventor's signature	Joseph 9	name, family name) _lor	Date <u>6/26</u>	

	CLARATION F pe 2	OR PATENT APPLICA	TION	Docket Number: 6099/00
Fi	Il name of third inv	enter (given name, family na	0 /	1/2-100
ļn	entors signature	Wand F Wach		6/25/98
R	sidence <u>Elkins P</u> st Office Address	ark, Pennsylvania 8379 Glen Road, Elkins Pa	nk Pennsylvania 19117	
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## VERIFIED STATEMENT CLAIMING SMALL ENTITY STATUS (37 CFR 1.9(f) & 1.27(b)) -- INDEPENDENT INVENTOR

	Docket Number: 6099/008
Applicant or Patentee: Frederick S.M. Herz, Jonathan M Serial or Patent Number:	Smith and David Wachob
Filed or Issued:	
A MAN TO LE	
THE BROADCAST DATA DISTRIBUTION SY	STEM WITH ASYMMETRIC UPLINK/DOWNLINK
a below named inventor, I hereby declare that I qualify	as an independent inventor as defined in 37 CFR
the specification filed herewith with title as listed a	
X the application identified above the patent identified above.	
I have not assigned, granted, conveyed or licensed and am convey or license, any rights in the invention to any person 37 CFR 1.9(c) if that person had made the invention, or to concern under 37 CFR 1.9(d) or a nonprofit organization upon the concern to the con	who would not qualify as an independent inventor under any concern which would not qualify as a small business
Each person, concern or organization to which I have assign obligation under contract or law to assign, grant, convey, or	ned, granted, conveyed, or licensed or am under an or license any rights in the invention is listed below:
No such person, concern or organization exists.  X Each such person, concern or organization is listed be	low:
FULL NAME: Frederick S.M. Herz ADDRESS:	
[X] INDIVIDUAL [] SMALL BUS. CONCERN	[ ] NONPROFIT ORGANIZATION
FULL NAME:ADDRESS:	
[] INDIVIDUAL [] SMALL BUS. CONCERN	[ ] NONPROFIT ORGANIZATION
Separate verified statements are required from each name the invention aversing to their status as small entities. (37	ed person, concern or organization having rights to CFR 1.27)
I acknowledge the duty to file, in this application or patent, of entitlement to small entity status prior to paying, or at the maintenance fee due after the date on which status as a sm	time of paving, the earliest of the issue fee or any
I hereby declare that all statements made herein of my own on information and belief are believed to be true; and find knowledge that willful false statements and the like so made under section 1001 of Title 18 of the United States Code, at the validity of the application, any patent issuing thereon directed.	urther that these statements were made with the le are punishable by fine or imprisonment, or both, and that such willful false statements may recognize
Frederick S.M. Herz	Jonathan M. Smith
Name of inventor	Name of Inventor
an Ath	
Signature of proportion	Signature of Inventor
6/15/198	
Date /	Date
Pleydd Machab	
David Wachob Name of Inventor	•
Signature of Inventor	
Date	

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VERIFIED STATEMENT CLAIMING SMALL ENTI-STATUS (37 CFR 1.9(f) & 1.27(b)) - INDEPENDENT INVENTOR

Docket Number: 6099/008

Applicant or Patentee: Frederick S.M. Herz, Jonathan M. Smith and David Wachob Serial or Patent Number. Libq or issued: BROADCAST DATA DISTRIBUTION SYSTEM WITH ASYMMETRIC UPLINK/DOWNLINK As a below named inventor, I hereby declare that I qualify as an independent inventor as defined in 37 CFR 1.9(c) for purposes of paying reduced fees to the Patent and Trademark Office described in: the specification filed herewith with title as listed above. X the application identified above. the patent identified above. I have not assigned, granted, conveyed or licensed and am under no obligation under contract or law to assign, grant, convey or license, any rights in the invention to any person who would not qualify as an independent inventor under 37 CFR 1.9(c) if that person had made the invention, or to any concern which would not qualify as a small business concern under 37 CFR 1.9(d) or a nonprofit organization under CFR 1.9(e). Each person, concern or organization to which I have assigned, granted, conveyed, or licensed or arn under an obligation under contract or law to assign, grant, convey, or license any rights in the invention is listed below: No such person, concern or organization exists. X Each such person, concern or organization is listed below: FULL NAME: Frederick S.M. HBIZ [ ] SMALL BUS. CONCERN [ ] NONPROFIT ORGANIZATION ADDRESS: [X] INDIVIDUAL FULL NAME: [] SMALL BUS. CONCERN [] NONPROFIT ORGANIZATION ADDRESS: INDIVIDUAL Separate verified statements are required from each named person, concern or organization having rights to the invention evening to their status as small entities. (37 CFR 1.27) I acknowledge the duty to file, in this application or patent, notification of any change in status resulting in loss of entitlement to small entity status prior to paying, or at the time of paying, the earliest of the issue fee or any maintenance fee due after the date on which status as a small entity is no longer appropriate. (87 CFR 1.28(b)). I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements end the like so made are punishable by fine or imprisonment, or both, under section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application, any patent issuing thereon, or any patent to which this vertiled statement is directed. Jonathan M. Smith Frederick S.M. Herz Name of Inventor Name of Inventor Signature of Inventor Signature of Inventor Date Date David Wechob Name of Inventor Signature of Inventor Date

Date

OM: PHONE NO. :	Jun. 23 1998 01:54PM F
VERIFIED STATEMENT CLAIMING VERIFIED STATEMENT CLAIMING (37 CFR 1.9(1) & 1.27(b)) - IND	EPENDENT INVENTOR  Dooker Number 6099/008
(37 CFR 1.9(f) & 1.27(b))	Tould Wachob
Applicant of Patentse: Frederick S.M. Herz, Jonathan M. S.	smith and war
Applicant of Patentee: Frederica	
Applicant of Patient Number:  Settle or Patient Number:    Jul   Filed or Issued:	YSTEM WITH ASYMMETRIC UPLINK/DOWNLINK
THE WAY TO THE STATE OF THE STA	VETEM WITH ASYMMETRIC OFFICE
BROADCAST DATA DISTRIBUTION S	is acceptant inventor as defined in S7 CFR
BROADCAST DATA DISTRIBUTION ST BANDWIDTHS  As a below named inventor, i hereby declare that I qualify  1.9(c) for purposes of paying reduced fees to the Patent  1.9(c) for purposes of paying reduced fees to the Patent  The specification filed herewith with title as listed	ity as an independent of the described in:
As a below named inventory reduced fees to the Parent	above.
As a below harned life taying reduced fees to the Pacella 1.9(c) for purposes of paying reduced fees to the Pacella 1.9(c) for paying redu	
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I have not essigned, granted, conveyed to any pers	on who would not qualify as a small business
convey of Bosinse, any rights in a made the invention, of	to any concern which would not qualify as a small business to any concern which would not qualify as a small business on under CFR 1.9(e).
econcern under 37 CFR 1.9(d) or a nonprom organization to which I have a concern or organization to which I have a obligation under contract or law to assign, grant, convergence or law to assign, grant, convergence or law to assign.	seigned, grafted, conveyed, a invention is listed below.
obligation under contract of law to assign, grant, conve	, u 11000000
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No such person, concern or organization is lister  X Each such person, concern or organization is lister	O Delow.
Standarick S. M. Herz	
ADDRESS:	RN [] NONPROFIT ORGANIZATION
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[]INDIVIDUAL [] SMALL BUS. CONCE	of attigin enivery notification inscribes to
Separate verified statements are required from each the invention aventing to their status as small entities	named person, concern or organization having rights to
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to allow to die the diety to file, in this application or pe	atent, notification of any change in status resulting in loss
I acknowledge the duty to file, in this application or paying, or of entitlement to small entity status prior to paying, or maintenance fee due after the date on which status as	atent, notification of any change in status resulting in 1995 or at the time of paying, the earliest of the Issue fee or any as a small entity is no longer appropriate. (37 CFR 1.28(b)).
I acknowledge the duty to file, in this application or paying of entitlement to small entity status prior to paying, or maintenance fee due after the date on which status as	r at the time of paying, the earliest of the Issue fee or any a small entity is no longer appropriate. (97 CFR 1.28(b)).  The same of the same of the issue fee or any as a small entity is no longer appropriate. (97 CFR 1.28(b)).  The same of the
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I acknowledge the duty to file, in this application or paying of entitlement to small entity status prior to paying, or maintenance fee due after the date on which status as it hereby declare that all statements made herein of on information and belief are believed to be true; knowledge that willful false statements and the like a under section 1001 of Title 18 of the United States C the validity of the application, any patent issuing the directed.	atent, notification of any change in status restuding in loss of at the time of paying, the earliest of the issue fee or any is a small entity is no longer appropriate. (37 CFR 1.28(b)).  The continuous and the continuous and the continuous and further that these statements were made with the so made are punishable by fine or imprisonment, or both, code, and that such willful false statements may jeopardize thereon, or any patent to which this vertiled statement is
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I acknowledge the duty to file, in this application or paying of entitlement to small entity status prior to paying, or maintenance fee due after the date on which status as it hereby declare that all statements made herein of on information and belief are believed to be true; knowledge that willful false statements and the like a under section 1001 of Title 18 of the United States C the validity of the application, any patent issuing the directed.  Frederick S.M. Herz	atent, notification of any change in status restaining in tests of the time of paying, the earliest of the Issue fee or any is a small entity is no longer appropriate. (37 CFR 1.28(b)).  The my own knowledge are true and that all statements made and further that these statements were made with the so made are punishable by fine or imprisonment, or both, bode, and that such willful false statements may jeopardize hereon, or any patent to which this vertiled statement is

Frederick S.M. Herz Name of Inventor	Name of Inventor
Signature of inventor	Signature of Inventor
Date	Date
David Wachob Name of Inventor	
Signature of Inventor	